

Message

From: Plate, Mathew [Plate.Mathew@epa.gov]
Sent: 9/10/2019 10:59:32 PM
To: Katherine Hoag [khoag@baaqmd.gov]
Subject: Air Toxics Request for BAAQMD Assistance
Attachments: Results_OUT_20190729_scatter.pdf; Triple_Site_Fact_Sheet_English_April_2016.pdf

Kate,

Per my voicemail we have some concerns about trichloroethene (TCE) in ambient air in the vicinity of a hazardous waste site that we are overseeing.

It appears that the ambient concentrations of TCE have been increasing over the past few years (see attached graphic). We believe there may be some area sources contributing to the elevation in ambient concentrations. We are concerned because concentrations are often exceeding our indoor air residential and school exposure concentration of 0.5 ug/m3. EPA has also set a short-term exposure limit for TCE at 2 ug/m3 (for fetal heart defects in the first trimester of pregnancy), we appear to be close to exceeding this threshold in ambient air.

Based on the data we have collected there are some fugitive emissions from a small groundwater treatment system at the site (probably a permitted source), but these are probably insufficient to cause the area wide concentrations that we are seeing. We have also been having the responsible party install mitigation systems on school and residential buildings (not-permitted), however these systems are not expected to contribute significantly to ambient concentrations.

We need help from BAAQMD to:

- Identify what other permitted sources may be emitting TCE in the vicinity
- Evaluate for TCE emissions in the vicinity (inspections)
- Advise and/or provide support for monitoring (EPA can ask the responsible party to perform air monitoring to exclude their sources, if additional monitoring is required EPA's waste/superfund program or the District would need to support it).

Can you please advise how best to work with the District on this, previously (for other sites) we worked through Eric directly.

Thanks!
mat